



Qualys Security Conference Mumbai, India

Global IT Asset Management

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Why Asset Management?

Multiple Regulations and Standards



PCI-DSS

2.4 Maintain an inventory of system components that are in scope for PCI DSS



RBI Cybersecurity

Inventory Management of Business IT Assets, Prevent execution of unauthorized S/W



ISO 27001

Inventory of assets (clause A.8.1.1)



GDPR

Full hardware and software inventory, including license information for audit data

Challenges with IT Asset Management

VISIBILITY



ACROSS CAMPUS
/DC/BRANCH/
CLOUD

POINT
SOLUTIONS



INACCURATE
INFORMATION

NO BUSINESS
CONTEXT



NO
ACTIONABLE
INSIGHTS

Qualys Unified IT-IoT-OT Visibility, Analytics and Control Solutions

Visibility

Managed and Unmanaged
Devices

Hardware, Software,
Applications and Traffic

Analytics

Vulnerability Detection

Policy Detection

Threat Quantification

Control

Remove Unauthorized
Devices

Policy based Automation

Orchestration

Agentless | Agent | Passive | API

Introducing Qualys Asset Inventory

Real-time Inventory

Source of truth for IT and Security teams

Structured and complete context



Benefits



2-second Visibility



Business contextual Inventory

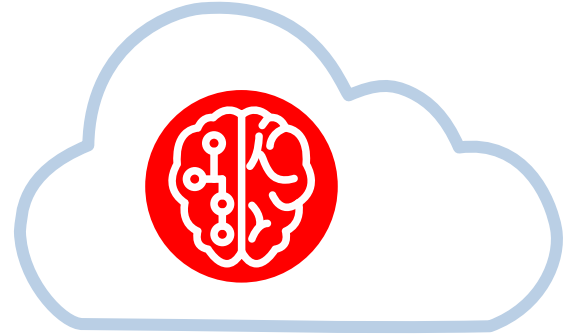
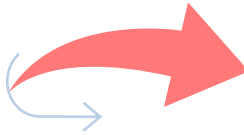
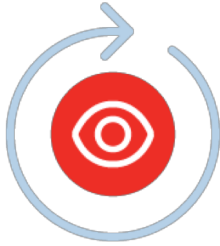


Uniform, accurate information



IT Cost reduction

How is it done?



Physical Scanner	Cloud Agent
Virtual Scanner	Passive Sensor
Cloud Scanner	API

Qualys Sensors

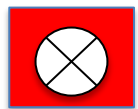
Scalable, Self-updating & Centrally Managed

OS/HW/SW	EoL/EoS
Mfg./owner/product	License type
Market version	Vulnerability/PC

Asset Inventory in Qualys Cloud

Categorization, Normalization, Enrichment

Case Study: Large Bank helps Stay Compliant with Qualys AI



Unauthorized Software

Challenges

Unauthorized Software

Database Versions

Software Lifecycle (EoL/EoS)

Software Market Version



Database Server

Solution

AI Dashboards | Software Inventory | Lifecycle Context

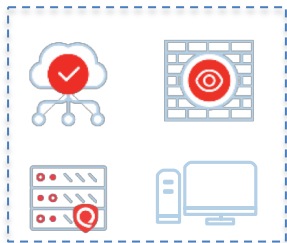


“We have regulatory compliance needs that require us to monitor unauthorized software, current versions of DB software, EoL/EoS software to ensure that we are in compliance “

Chief Information Officer

Case Study: Large Accounting Firm uses Qualys AI for Unified Inventory

Challenges



Unified Inventory



Prioritize security needs



Service Desk Optimization

Solution

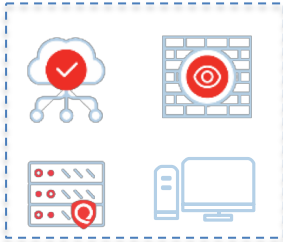
AI Dashboards | Asset Category Priority | CMDB Synchron.

“Single unified inventory management for global assets across 4000 employees and distributed offices are required for us to drive optimizations in internal processes, including vulnerability prioritization, patching/remediation, service desk etc.”

Security Manager

Case Study: Global Technology Leader uses Qualys AI to Determine Unmanaged Devices

Challenges



Unified Inventory



Unmanaged
Devices Visibility



Unmanaged
Devices Control



"We've not been able to understand our devices in its entirety. Qualys AI solution with complete context for devices are excellent way to understand devices, security threats and prioritize actions "

Security Manager

Solution

AI Dashboards | Unmngd. Devices View | Traffic Stats

Complete and clean data to your CMDB

Certified ServiceNow App Syncs asset data in both directions.

The screenshot displays the ServiceNow user interface. At the top, the 'service now' logo and 'Service Automation' text are visible. Below the header, a navigation bar shows 'Welcome: Jeff Leggett' with user and lock icons. The left sidebar contains several utility links: 'Toggle Navigator ctrl + oot + n', 'List and Form View ctrl + oot + v', 'Tagged Documents ctrl + oot + t', 'All Bookmarks', and a 'Home' button with a house icon. The main content area is titled 'Self-Service' and 'Qualys App for ServiceNow CMDB'. It features a 'Filter' input field and a 'Configuration' section with expandable menus for 'API Sources', 'Schedules', 'Properties', 'Sync', 'Advanced', 'Reports', and 'Support'. Below this is a list of ServiceNow modules: 'Service Desk', 'Incident', 'Problem', 'Change', 'Configuration', 'Service Catalog', 'Item Designer', 'Knowledge', 'Organization', and 'Product Catalog'. The right-hand panel shows the 'Schedules' configuration for 'SN_to_Q_Assets'. It includes fields for 'Name', 'Active' (checked), 'API Source' (testing cred), 'Sync Direction' (Servicenow to Qualys), and 'Conditional' (unchecked). Below this, the 'Servicenow to Qualys Sync' section shows 'Qualys Asset Tag' as 'ServiceNow', 'Table' as 'Computer [cmdb_ci_computer]', and a 'Query' section with 'Add Filter Condition' and 'Add "OR" Clause' buttons. At the bottom, it states 'All of these conditions must be met' and lists 'IP Address' and 'Fully qualified domain name' as conditions.

service now Service Automation

Welcome: Jeff Leggett

Toggle Navigator
ctrl + oot + n

List and Form View
ctrl + oot + v

Tagged Documents
ctrl + oot + t

All Bookmarks

Home

Self-Service

Qualys App for ServiceNow CMDB

Filter

Configuration

- API Sources
- Schedules
- Properties
- Sync
- Advanced
- Reports
- Support

Service Desk

Incident

Problem

Change

Configuration

Service Catalog

Item Designer

Knowledge

Organization

Product Catalog

Schedules

Name: SN_to_Q_Assets

Active: ☒

* API Source: testing cred

* Sync Direction: Servicenow to Qualys

Conditional: ☐

Servicenow to Qualys Sync

Qualys Asset Tag: ServiceNow

Table: Computer [cmdb_ci_computer]

Query: Add Filter Condition, Add "OR" Clause

All of these conditions must be met

IP Address

Fully qualified domain name

Global IT Visibility



Last 30 Days



OPERATING SYSTEM DISTRIBUTION

Total

1.44K [view](#)

Windows	1036
Mac	225
Linux	130
Unidentified	26
Virtualized	51

CATEGORY BREAKDOWN

Computers Virtualized Networking Surveillance And Detection Equipment

1,234

1,000

750

500

DEMO

Qualys sensors for complete, detailed asset telemetry

Structuring your inventory (normalization and taxonomy)

Enriching your inventory (e.g. lifecycle)

Blind spots? (showcase passive discovery)

TOP CLIENT OPERATING SYSTEM

Microsoft Windows 10

3

Apple macOS

3

Microsoft Windows 7

2

279

183

101

Commercial License

Open Source License

Unknown

Multi-function Passive Sensor



First Phase (Q2/Q3-2019)

IT asset discovery and profiling
Application recognition and usage

Next (Q4/Q1-2019/20)

Asset discovery and profiling

- SCADA
- Medical Devices

Future use cases

Highlight asset relationship
Traffic anomaly & Network IOC
Smart whitelisting (policies within
Secure Access Control)



Secure Access Control



Use Cases

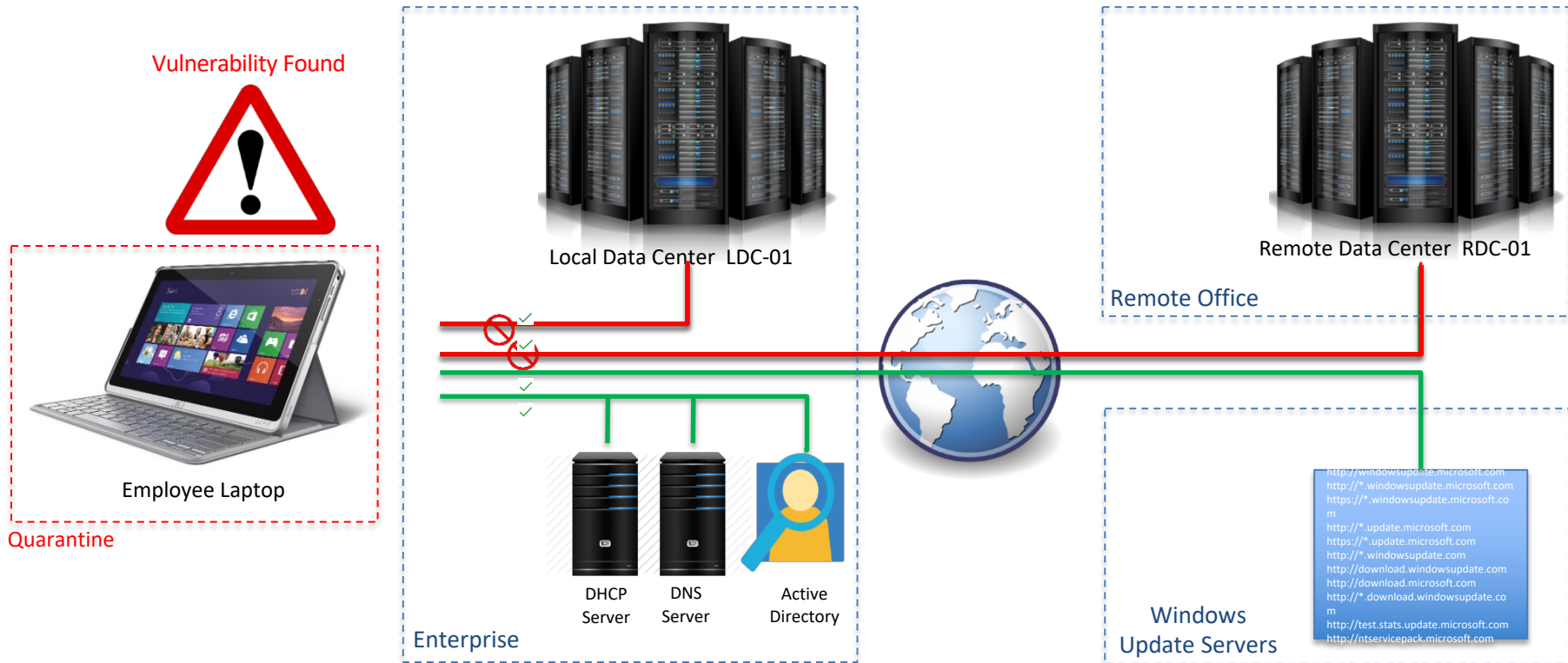
Asset Inventory – Access control using asset inventory attributes



-  **Block**
-  **Allow**
-  **Quarantine**
-  **Assign ACL**
-  **Assign VLAN**

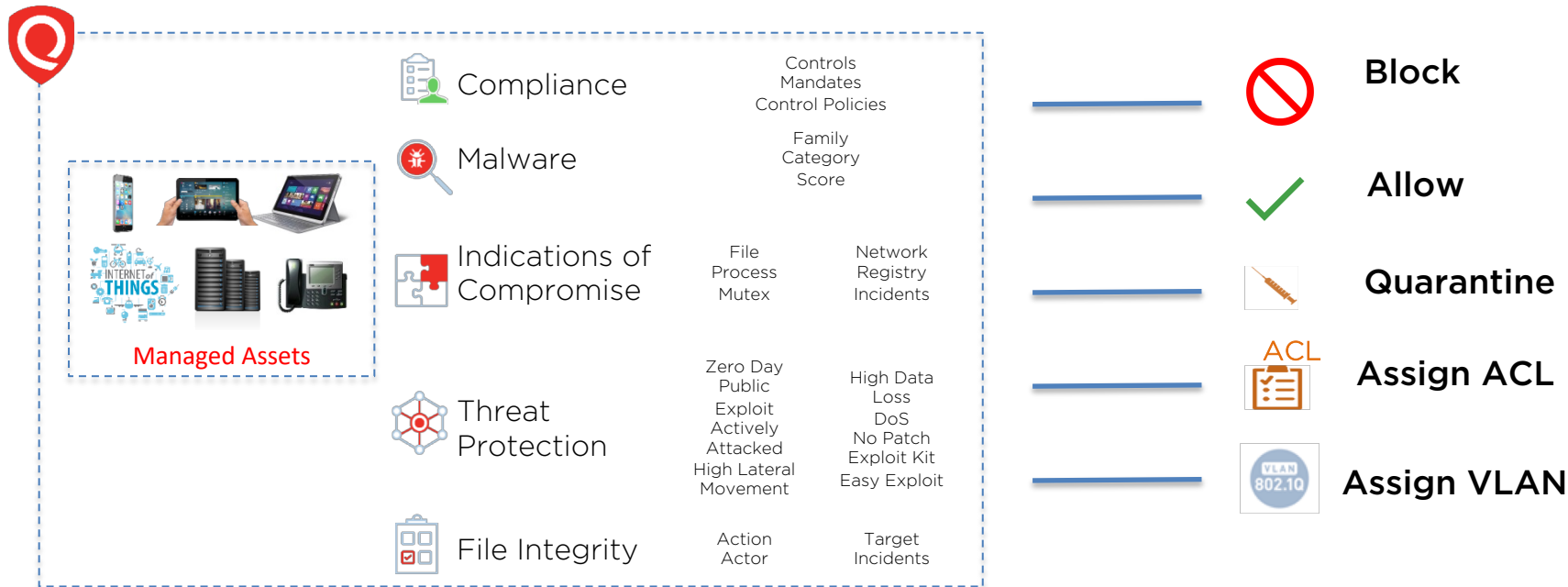
Use Cases

Vulnerabilities – Quarantine assets if vulnerable



Use Cases

 Compliance - Block assets which fail compliance





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Thank You

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